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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	432	(moloney\$.in. or rooijen\$.in.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 09:15
L2	54	1 and (oil bodies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:52
L4	93	(heterologous polypeptide) and (oil bodies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:54
L5	7	4 and @py<"2001"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:58
L6	788	(oil body) and (expres\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:59
L7	196	6 and @py<"2001"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 11:00
L8	7	7 and (fusion polypeptide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 11:02



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"oil body" AND "fusion"

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1. **OIL BODY PROTEINS AS CARRIERS OF HIGH VALUE PROTEINS**

**MOLONEY, Maurice (UNIVERSITY TECHNOLOGIES INTERNATIONAL, INC.),**  
**PATENT COOPERATION TREATY APPLICATION, Jul 1996**  
patno:WO9621029

...targeting of the recombinant **fusion** polypeptide to an **oil body**; (ii) a DNA sequence encoding...representation of the types of **oil body** protein **fusions** that are contemplated as...of the invention for the **fusion** of **oil-body** protein genes with genes...

**Full text available at patent office. For more in-depth searching go to** **view all 107 results from Patent Offices**  
**similar results**

2. **Role of the proline knot motif in oleosin endoplasmic reticulum topology and oil body targeting.**

**Abell, B M / Holbrook, L A / Abenes, M / Murphy, D J / Hills, M J / Moloney, M M**, *The Plant cell*, 9 (8), p.1481-1493, Aug 1997

...oleosin-beta-glucuronidase translational **fusion**, the proline knot variant failed to target...expressing oleosin-beta-glucuronidase **fusions** showed that the proline knot variant accumulated...determination of topology but is required for **oil body** targeting. The loss of the proline knot...

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3. **OIL-BODY PROTEINS AS CARRIERS OF HIGH-VALUE PEPTIDES IN PLANTS**

**MOLONEY, Maurice M. (UNIVERSITY TECHNOLOGIES INTERNATIONAL, INC. ;**  
**MOLONEY, Maurice, M.), PATENT COOPERATION TREATY APPLICATION, Oct 1993**  
patno:WO9321320

...oil-bodies so that the **fusion** protein is released. The **oil-body** protein is then easily...constructs used for the **fusion** of **-oil-body** protein genes with genes...sequence as a linker in the **fusion** of a typical **oil-body** protein gene and a **fusion**...

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4. [Oil-body proteins as carriers of high-value peptides in plants](#)

**Moloney, Maurice (SemBioSys Genetics Inc.), UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jul 1997**  
patno:US5650554

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...targeting of the recombinant **fusion** polypeptide to an **oil body**, linked in reading frame...targeting of the recombinant **fusion** polypeptide to an **oil body**, linked in reading frame...targeting of the recombinant **fusion** polypeptide to an **oil body**; (ii) a DNA sequence...

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5. [OIL BODY PROTEINS AS CARRIERS OF HIGH VALUE PROTEINS](#)

**MOLONEY, Maurice (SemBioSys Genetics Inc.), EUROPEAN PATENT, Oct 1998**  
patno:EP871749

...targeting of the recombinant **fusion** polypeptide to an **oil body**, linked in reading frame...representation of the types of **oil body** protein **fusions** that are contemplated as...of the invention for the **fusion of oil-body** protein genes with genes...

**Full text available at patent office. For more in-depth searching go to**  [LexisNexis](#)  
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6. [Structural requirements of oleosin domains for subcellular targeting to the oil body.](#)

**van Rooijen, G J / Moloney, M M, Plant physiology**, 109 (4), p.1353-1361, Dec 1995  
...complete Arabidopsis oleosin-GUS **fusions** undergo correct subcellular...in impaired targeting of the **fusion** protein to the oil bodies and...reduced accumulation of the **fusion** protein. Northern blotting...important for targeting to the **oil body** and show that there is a direct...

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7. [Oil body based personal care products](#)

**Deckers, Harm M. / van Rooijen, Gijs / Boothe, Joseph / Goll, Janis / Moloney, Maurice M. (Sembiosys Genetics Inc.), UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Feb 2001**  
patno:US6183762

...be any cell that contains oil bodies (or **oil-body** like structures) including plant cells...the ground seeds; and (c) separating the **oil body** phase from the aqueous phase; (2) washing the **oil body** phase to yield a washed **oil body** preparation...

**Full text available at patent office. For more in-depth searching go to**  [LexisNexis](#)  
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8. [Expression pattern and deposition of three storage proteins, 11S globulin, 2S albumin and 7S globulin in maturing...](#)

**Tai, S.S.K. / Lee, T.T.T. / Tsai, C.C.Y. / Yiu, T.-J. / Tzen, J.T.C. , Plant Physiology and Biochemistry**, 39 (11), p.981-992, Nov 2001

...protein bodies later than the initiation of **oil body** formation in accord with the observation...bodies. 11S globulin 2S albumin 7S globulin **oil body** protein body seed sesame 1 Introduction...germination and post-germinative growth. An **oil body** contains a triacylglycerol matrix surrounded...

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9. [OIL-BODY PROTEINS AS CARRIERS OF HIGH-VALUE PEPTIDES IN PLANTS](#)

**MOLONEY, Maurice M. (SemBioSys Genetics Inc.), EUROPEAN PATENT, Feb 1995**

patno:EP636179

...provide for targeting of the **fusion** polypeptide to an **oil body** and (b) a second DNA sequence...constructs used for the **fusion** of **oil-body** protein genes with genes...sequence as a linker in the **fusion** of a typical **oil-body** protein gene and a **fusion**...

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**10. Preparation of heterologous proteins on oil bodies**

**Moloney, Maurice M. (Sembiosys Genetics Inc.), UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Sep 1999**

patno:US5948682

...sequence encoding a **fusion** peptide or protein...sufficient portion of an **oil body** specific protein...of interest. The **fusion** peptide or protein...sequence linking the **oil body** specific portion...sequence encoding a **fusion** protein comprising...sufficient portion of an **oil body** protein to provide...

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**11. THE USE OF PLANT OIL-BODIES IN VACCINE DELIVERY SYSTEMS**

**MOLONEY, Maurice M. / ALCANTARA, Joenel (SEMBIOSYS GENETICS INC. ; SCHRYVERS, Anthony, B. ; HUTCHINS, Wendy, A.), PATENT COOPERATION TREATY APPLICATION, Dec 2001**

patno:WO01095934

...immune response appropriately. The plant **oil-body** system provides a simple and inexpensive...oleosin. The general structure of a plant **oil-body** is illustrated in Figure 1. Oleosin and...accommodation of foreign sequences within **fusion** proteins without disturbing the three...

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**12. OIL BODIES AND ASSOCIATED PROTEINS AS AFFINITY MATRICES**

**MOLONEY, Maurice / BOOTHE, Joseph / VAN ROOIJEN, Gijs (SEMBIOSYS GENETICS INC.), PATENT COOPERATION TREATY APPLICATION, Jun 1998**

patno:WO9827115

...conjugated or produced as a **fusion** protein with the **oil body** protein (as described...of the oleosin- hirudin **fusion** protein on the **oil body** and the binding of thrombin...oleosin-metallothionein **fusion** protein on the **oil body** and binding of cadmium...

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**13. OIL BODIES AND ASSOCIATED PROTEINS AS AFFINITY MATRICES**

**MOLONEY, Maurice / BOOTHE, Joseph / VAN ROOIJEN, Gijs (SemBioSys Genetics Inc.), EUROPEAN PATENT, Jun 2000**

patno:EP1007554

...conjugated or produced as a **fusion** protein with the **oil body** protein (as described...of the oleosin-hirudin **fusion** protein on the **oil body** and the binding of thrombin...oleosin-metallothionein **fusion** protein on the **oil body** and binding of cadmium...

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**14. METHOD FOR CLEAVAGE OF FUSION PROTEINS**

**MOLONEY, Maurice / ALCANTARA, Joenel / VAN ROOIJEN, Gijs (Sembiosys Genetics Inc.), EUROPEAN PATENT, Feb 2000**  
patno:EP977873

...expressing the recombinant polypeptide as a **fusion** protein with a pro-peptide. The pro-peptide-polypeptide **fusion** protein can be cleaved and the recombinant...the production of these polypeptides as **fusion** or hybrid proteins. These techniques are...

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- 15. From farming for food to pharming for pharmaceuticals and other high value proteins in crucifers.**

**Rooijen, G. J. H. v., Kühnel, B., Kumar, V., Liu, J. H., Mahmoud, S. and Moloney, M. M., article, Jan 1998**

A novel strategy was developed for the production and purification of foreign proteins and peptides in oilseeds. The strategy involves the fusion of the protein/peptide of interest to oleosin by extending the nucleotide sequence of oleosins to include ...

[<http://hdl.handle.net/1880/1451>]

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- 16. 173 Manipulating flux through plant metabolic pathways Anthony J...** [PDF-248K]

Jun 2000

173 Manipulating flux through plant metabolic pathways Anthony J Kinney The past two years have seen a marked increase in patent applications for novel methods of altering the level and spectrum of commercially important products in plants.

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- 17. Intracellular lipid particles of eukaryotic cells**

**Zweytick, D. / Athenstaedt, K. / Daum, G. , Biochimica et Biophysica Acta (BBA)/Reviews on Biomembranes, 1469 (2), p.101-120, Sep 2000**

...the different species. Lipid particle **Oil body** Triacylglycerol Steryl ester

Perilipin...distinct structures without indication of **fusion**. They consist of a core of triacylglycerols...lipid bodies and thereby prevents their **fusion**. The involvement of vimentin in lipid...

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- 18. Production of biologically active hirudin in plant seeds using oleosin partitioning.**

**Parmenter, D L / Boothe, J G / van Rooijen, G J / Yeung, E C / Moloney, M M , Plant molecular biology, 29 (6), p.1167-1180, Dec 1995**

...of the oleosin-hirudin **fusion** mRNA was directed via...oleosin promoter. The **fusion** protein was correctly targeted to the **oil body** membrane and separated...was detected in cleaved **oil body** preparations. This activity...dependence. The oleosin **fusion** protein system provides...

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- 19. OIL-BODY PROTEIN CIS-ELEMENTS AS REGULATORY SIGNALS**

**MOLONEY, Maurice M. (UNIVERSITY TECHNOLOGIES INTERNATIONAL, INC. ;**

**MOLONEY, Maurice, M.), PATENT COOPERATION TREATY APPLICATION, Oct 1993**

patno:WO9320216

...Ssion prothh, as a **fusion** protein with the **oil body** protein. The INNA...in frame with the **oil body** protein coding sequenoq...gene will produce a **fusion** protein. The **fusion**

protein will preferably...in the **Arabidopsis oil body** protein as shown...

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**20. OIL-BODY PROTEIN CIS-ELEMENTS AS REGULATORY SIGNALS**

**MOLONEY, Maurice M. (SemBioSys Genetics Inc.), EUROPEAN PATENT, Jan 1995**  
patno:EP633940

...sequence of interest as a **fusion** protein, particularly as a **fusion** protein with the **oil body** protein. The DNA sequence...sequence, in frame with the **oil body** protein coding sequence...chimeric gene will produce a **fusion** protein. The **fusion** protein...

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### Plant seed oil-bodies as carriers for foreign proteins - all 5 versions »

GJH Van Rooijen, MM Moloney - Bio/Technology (new title: Nature Biotechnology?), 1995 - nature.com

... **Oil-body** proteins as carriers for high value peptides in plants. ... glucuronidase from *Escherichia coli* as a gene **fusion** marker. *Proc. Natl. Acad. Sci.* ...

Cited by 60 - Related Articles - Web Search

### Role of the Proline Knot Motif in Oleosin Endoplasmic Reticulum Topology and Oil Body Targeting - all 5 versions »

BM Abell, LA Holbrook, M Abenes, DJ Murphy, MJ ... - *The Plant Cell Online*, 1997 - Am Soc Plant Biol

... targeting have used oleosin- P-glucuronidase (GUS) translational **fusion** reporters to ... could be deleted with less severe reductions in **oil body** accumulation and ...

Cited by 54 - Related Articles - Web Search - BL Direct

### Transient expression and **oil body** targeting of an *Arabidopsis* oleosin-GUS reporter **fusion** protein in ... - all 3 versions »

M Abenes, L Holbrook, M Moloney - *Plant Cell Reports*, 1997 - Springer

... that the Arab- *idopsis* oleosin-GUS **fusion** protein can be expressed and targeted to oil bodies in at least five species of oilseeds. The **oil-body**-associated GUS ...

Cited by 11 - Related Articles - Web Search - BL Direct

### Structural Requirements of Oleosin Domains for Subcellular Targeting to the Oil Body - all 5 versions »

GJH van Rooijen, MM Moloney - *Plant Physiology*, 1995 - Am Soc Plant Biol

... to the oil bodies and greatly reduced accumulation of the **fusion** protein. ... and central oleosin domain are important for targeting to the **oil body** and show ...

Cited by 27 - Related Articles - Web Search - BL Direct

### Oil-body proteins as carriers of high-value peptides in plants - all 6 versions »

»

M Moloney - US Patent 5,650,554, 1997 - Google Patents

... The use of plants to 65 recombinant **fusion** polypeptide to an **oil body**, linked in produce proteins of interest allows exploitation of the ability ...

Cited by 14 - Related Articles - Web Search

### Oil bodies and their associated proteins, oleosin and caleosin - all 3 versions »

»

GI Frandsen, J Mundy, JTC Tzen - *Physiologia Plantarum*, 2001 - Blackwell Synergy

... and Vance 1999). Caleosin is probably more directly involved in membrane

and **oil body fusion** (Næsted et al. 2000). Seed oil bodies ...

Cited by 44 - Related Articles - Web Search - BL Direct

... oleosin in transgenic rapeseed. Implications for the mechanism of **oil-**

**body formation in seeds - all 5 versions »**

DJ Murphy - The Plant Journal, 1997 - ingentaconnect.com

... Implications for the mechanism of oil-body formation in seeds ... that each oil body contained a mixed population of soybean and rapeseed oleosins. ...

Cited by 34 - Related Articles - Web Search - BL Direct

**Purification and characterization of oil-bodies (oleosomes) and oil-body boundary proteins (oleosins ... - all 7 versions »**

M Millichip, AS Tatham, F Jackson, G Griffiths, PR ... - Biochem. J, 1996 - biochemj.org

... lose integrity and fusion occurs [22]. We have developed, therefore, a novel method for the preparation of largely uncontaminated oil-body fractions from the ...

Cited by 26 - Related Articles - Cached - Web Search - BL Direct

**Oleosins prevent oil-body coalescence during seed imbibition as suggested by a low-temperature ... - all 2 versions »**

O Leprince, AC van Aelst, HW Pritchard, DJ Murphy - Planta, 1997 - Springer

... hand, oil bodies underwent fusion and occupied the remaining cellular volume left by ice (Fig. 5e+f). About a four-fold increase in oil-body diameters was ...

Cited by 27 - Related Articles - Web Search - BL Direct

**Oleosins and Oil Bodies in Seeds and Other Organs - all 5 versions »**

AHC Huang - Plant Physiology, 1996 - Am Soc Plant Biol

... which parts of oleosin are used to target the protein to the ER or budding oil body. ...

Fusion of a GUS protein to the C terminus of the oleosin also allows the ...

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